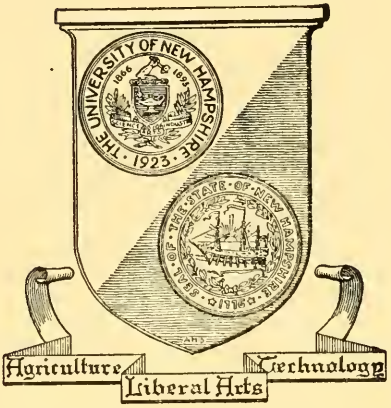
Library of




The University
of
New Hampshire

Bulletin 357 July, 1945

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION
Department of Agronomy

# Results of Seed Tests For 1945

*Made for the*
STATE DEPARTMENT OF AGRICULTURE

*By* BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

## RESULTS OF SEED TESTS

### Made July 1, 1944, to June 30, 1945

This report contains the results of the seed inspection work for the State Department of Agriculture of two hundred and forty-five official samples collected throughout the state during the period from July 1, 1944, to June 30, 1945. In addition to these official samples, 1309 private samples were analyzed, making a total of 1554 samples inspected.

Because some dealers or individuals may not be familiar with our seed law which was passed in 1943 and the rules and regulations pertaining to it, they are included in this report.

STATE OF NEW HAMPSHIRE

CHAPTER 224, LAWS OF 1943

AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale, of Agricultural and Vegetable Seeds.

AGRICULTURAL AND VEGETABLE SEEDS

1. DEFINITIONS. Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fibre crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed, and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (Cirsium arvense), field bindweed (Convolvulus arvensis), and quackgrass (Agropyron repens).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (Cuscuta spp.) and crab grass (Digitaria sanguinalis).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. LABEL REQUIREMENT. Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. AGRICULTURAL SEEDS. For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. Secondary noxious weeds. The name and approximate number of each kind

of secondary noxious weed seed, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed or bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghums (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

All determinations of noxious weed seeds are subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. Vegetable Seeds. For vegetable seeds, the following is required:

I. Name of kind and variety of seed, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. Illegal Sales. It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. Prohibitions. It shall be unlawful for any person within this state:

I. To detach, alter, deface or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. Exemptions. The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. Exceptions. No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof, unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. Duties and Authority of Commissioner of Agriculture. The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hreeof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for purposes of this chapter.

VII. To cooperate with the United States department of agriculture in seed law enforcement.

10. Seizure. Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. Penalties. Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. Publication. The commissioner of agriculture shall publish, or cause to be published, the results of tests and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

2. Takes Effect. This act shall take effect upon its passage.

Approved March 10, 1943.

## *RULES AND REGULATIONS*

Sampling.

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag shall be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and, whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags: (1) In quantities of five bags or less, each bag shall be sampled. (2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, brome-grasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

Analysis.

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

Tolerance.

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left( 0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20 would have an allowable variation of .75 or could test as high as 99.95 or as low as 98.45 and be "satisfactory."

For germination: The following tolerances are applicable:

| Healthy sprouts found by test in each 100 seeds | Tolerance |
|---|---|
| 96 or over | 5 |
| 90 or over but less than 96 | 6 |
| 80 or over but less than 90 | 7 |
| 70 or over but less than 80 | 8 |
| 60 or over but less than 70 | 9 |
| Less than 60 | 10 |

Therefore, a sample of seed guaranteed 85% for germination may be as high as 92% or as low as 78% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that secondary noxious weed seeds shall be given by name and approximate number, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis species, Poa species, Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover,, reed canary grass, Dallis grass and other agricultural seeds of similar size and weight, or mixtures within this group:

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica species, flax, Agropyron species, and other agricultural seeds of similar size and weight, or mixtures within this group or of this group with (A);

(C) One seed or bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghum (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variations and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

Free Testing.

The Seed Testing Laboratory will allow six free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of November, December, January and February. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or three samples for both purity and germination, free of charge. A given seed company will be entitled to six private tests without charge, but not six from each branch store. For numbers in excess of six, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all crop seeds, including timothy, clovers and alfalfa, 25 cents each;

Germination tests of all grasses except timothy, 50 cents each;

Germination tests of mixtures, 25 cents for each kind of seed present;

Purity analyses of cereals like corn and oats, 50 cents each; and of timothy, 75 cents each;

Purity analyses of all other kinds of crop seeds, except grasses, 75 cents each;

Purity analyses of the smaller grass seeds and of all mixtures of not more than two kinds of agricultural seeds, 1.00 each;

All purity analyses of special mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of $1.25.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analysis are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
2. Five ounces of red or crimson clover, alfalfa, ryegrasses, millet, rape, or seeds of similar size.
3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

GERMINATION STANDARDS FOR VEGETABLE SEED.

Following are germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

| | PER CENT | | PER CENT |
|---|---|---|---|
| Artichoke | 60 | Leek | 60 |
| Asparagus, including hard seeds | 70 | Lettuce | 80 |
| Beans (except lima) | 75 | Muskmelon | 75 |
| Beans, lima | 70 | Mustard | 75 |
| Beets | 65 | Okra | 50 |
| Broccoli | 75 | Onion | 70 |
| Brussells sprouts | 70 | Parsley | 60 |
| Cabbage | 75 | Parsnip | 60 |
| Cauliflower | 75 | Peas | 80 |
| Carrot | 55 | Pepper | 55 |
| Celery and celeriac | 55 | Pumpkin | 75 |
| Chicory | 65 | Radish | 75 |
| Citron | 65 | Rhubarb | 60 |
| Collards | 80 | Rutabaga | 75 |
| Corn | 75 | Salsify | 75 |
| Cress, garden | 40 | Sorrel | 60 |
| Cress, water | 35 | Spinach (except New Zealand) | 60 |
| Cucumber | 80 | Spinach (New Zealand) | 40 |
| Dandelion | 45 | Squash | 75 |
| Eggplant | 60 | Swiss chard | 65 |
| Endive | 70 | Tomato | 75 |
| Fetticus (cornsalad) | 70 | Tomato, husk | 50 |
| Kale | 75 | Turnip | 80 |
| Kohlrabi | 75 | Watermelon | 70 |

LABELING.

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company
Greene, N. H.

| | | | |
|---|---|---|---|
| Mammoth Clover | | Lot No. 243 | |
| Pure seed | 98.65 | | |
| Crop seed | .86 | Germination | 80% |
| Weeds | .38 | | |
| Inert matter | .11 | Hard seeds | 7 |
| Origin Idaho | | Date of test Jan. 1943 | |
| 1 dodder per oz. | | | |

Example for mixed agricultural seed:

John F. Doe Company
Greene, N. H.

Grass seed, mixed — Lot No. 0236

| Purity: | | Germination: | | |
|---|---|---|---|---|
| Perennial ryegrass | 32.23% | 92.5% | January | 1943 |
| Chewing fescue | 18.08 | 85.0% | December | 1942 |
| Kentucky bluegrass | 14.75 | 80.0% | January | 1943 |
| Canada bluegrass | 15.37 | 58.5% | January | 1943 |
| Creeping bent | 14.20 | 84.0% | January | 1943 |
| Crop seed | .61 | | | |
| Weed seed | 2.07 | | | |
| Inert matter | 2.69 | | | |

5 Crabgrass per oz.

Example for vegetable seed:

(Up to standard) "New York Lettuce
John Smith, Dale, Ill.
Date of Germination test: February 7, 1943."

(For vegetable seed which germinates less than standard) "New York Lettuce
John Smith, Dale, Ill.
Date of Germination test: February 7, 1943.
Germination 75%
BELOW STANDARD"

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

# N. H. EXPERIMENT STATION
## AGRICULTURAL SEED INSPECTION, 1945

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Purity Found | Purity Guaranteed | Germination Found | Germination Guaranteed |
|---|---|---|---|---|---|---|---|
| | | | (Note) | (Note) | | (Note) | |
| Ayers & Jenkins Company, ... Rochester | 12997 | Alsike Clover, 2853 ..... | 1/1941 | S | 98.10 | S | 74 |
| | 12996 | Hungarian Millet, 5838 ..... | 5/1941 | S | 98.28 | 27 | 92 |
| | 12992 | Red Clover, Illinois, 3331 ..... | ..... | S | 98.34 | 72 | 88 |
| | 12995 | Redtop, 2033 ..... | 2/1943 | S | 93.80 | S | 90 |
| | 12994 | Timothy, 5948 ..... | 5/1941 | S | 99.65 | 70 | 90 |
| G. N. Bartemus Company, ... Concord | 13168 | Red Clover, Medium ..... | S | S | 99.50 | S | 82 |
| | 13167 | Redtop, 30-141 ..... | S | S | 93.12 | 61 | 90 |
| | 13169 | Timothy, 10-586 ..... | S | S | 99.60 | S | 90 |
| Beacon Grain Store, ..... Dover | 12965 | Ladino Clover, Lot 56 L 17 .... | S | S | 99.48 | S | 80 |
| L. C. Berry ..... Lebanon | 13116 | Corn, Page's Smoky Dent #5009 | S | S | 98.00 | 82 | 90 |
| Central Garage & Supply Co. Tilton | 13166 | Hungarian Millet, 83101 ..... | S | S | 98.22 | S | 80 |
| | 13165 | Japanese Millet, 08191 ..... | S | S | 99.00 | S | 81 |
| | 13164 | Red Clover, Medium, 24347-8 .. | S | S | 99.36 | 82 | 94 |
| Eastern States Farmers' Exc., Woodsville | 13128 | Alsike Clover, #343 ..... | S | S | 99.25 | S | 75 |
| | 13129 | Japanese Millet, #1187 ..... | S | S | 98.40 | 82 | 90 |
| | 13127 | Red Clover, Medium, #1202 ... | S | S | 99.27 | A | 78 |
| | 13130 | Timothy, #1176 ..... | S | S | 99.60 | S | 90 |
| Farmers Feed & Supply, ..... Manchester | 13170 | Alfalfa, Canada, 29-146 A ..... | S | S | 99.10 | S | 74 |
| General Mills, ..... Laconia | 13060 | Japanese Millet ..... | S | S | 98.68 | S | 81 |
| General Mills, ..... Portsmouth | 13026 | Alsike Clover, #25x418 ..... | S | S | 97.74 | S | 78 |
| | 13025 | Red Clover ..... | S | 98.23 | 99.52 | A | 62 |
| C. J. Goss, ..... Lakeport | 13073 | Alsike Clover, 21891 ..... | 1942 | S | 98.05 | 79 | 94 |
| | 13074 | Redtop, 3830 ..... | S | S | 92.78 | S | 90 |
| | 13072 | Timothy, 3740 ..... | S | S | 99.60 | S | 90 |

(Note) S—Satisfactory; figures or blanks in these columns indicate violation.

A—Above or better than guarantee.

* As stated on tag accompanying seed.

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Purity Found | Purity Guaranteed | Germination Found | Germination Guaranteed |
|---|---|---|---|---|---|---|---|
| J. H. Griffin, ..... Newmarket | 13032 | Alsike Clover, Lot 15511 ..... | S | S | 98.30 | 48 | 80 |
| | 13030 | Redtop, Lot 40434 ..... | S | S | 94.64 | 77 | 88 |
| John M. Guay Hardware Co., Laconia | 13067 | West Park Mixed Grass Seed: | S | | | | |
| | | Timothy ..... | ..... | 58.28 | 49.50 | S | 50 |
| | | Redtop ..... | ..... | S | 13.50 | S | 70 |
| | | Ryegrass ..... | ..... | 10.06 | 21.78 | S | 90 |
| | | White Clover ..... | ..... | S | .50 | 61 | 75 |
| C. M. Hildreth & Son, ..... Lebanon | 13145 | Alsike Clover ..... | ..... | 95.90 | .... | 57 | .... |
| | 13146 | Red Clover, Medium ..... | ..... | 86.23 | .... | 65 | .... |
| | 13147 | Timothy ..... | ..... | 99.36 | .... | 88 | .... |
| Jefferson Feed & Supply Co., Rochester | 13005 | Alsike Clover ..... | ..... | 99.08 | .... | 83 | .... |
| | 13008 | Hungarian Millet ..... | S | 98.80 | .... | 96 | .... |
| | 13007 | Red Clover ..... | ..... | 98.01 | .... | 85 | .... |
| J. Jones & Son, ..... Alton | 13054 | Alsike Clover ..... | ..... | 96.45 | .... | 34 | .... |
| | 13050 | Bluegrass, Kentucky ..... | ..... | S | 85.40 | 41.5 | 80 |
| | 13049 | Hungarian Millet ..... | ..... | 99.48 | .... | 8 | .... |
| | 13056 | Lawn Seed Blend, Elm Tree H143: | 3/1943 | | | | |
| | | Kentucky bluegrass ..... | ..... | S | 29.75 | 47.5 | 80 |
| | | Redtop ..... | ..... | S | 31.50 | S | 90 |
| | | Ryegrass ..... | ..... | S | 29.75 | S | 90 |
| | 13052 | Red Clover ..... | ..... | 99.19 | .... | 7 | .... |
| | 13051 | Redtop ..... | ..... | 93.38 | .... | 79 | .... |
| | 13055 | Timothy ..... | ..... | S | 99.60 | 30.5 | 92 |
| Littleton Hardware Co., Inc., Littleton | 12934 | Lawn Grass, Quality Royal: | 2/1942 | | | | |
| | | Kentucky bluegrass ..... | ..... | 43.59 | .... | 78 | .... |
| | | Agrostis sp. ..... | ..... | 29.25 | .... | 89 | .... |
| | | Ryegrass ..... | ..... | 19.82 | .... | 95 | .... |
| Mast Road Grain Company .. Manchester | 13161 | Red Clover, Y 442 ..... | S | S | 99.34 | A | 76 |

(Note) S—Satisfactory; figures or blanks in these columns indicate violation.

A—Above or better than guarantee.

* As stated on tag accompanying seed.

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Purity Found | Purity Guaranteed | Germination Found | Germination Guaranteed |
|---|---|---|---|---|---|---|---|
| Merrimack Farmers' Exchange, Concord | 13156 | Alsike Clover, 21132, Idaho .... | S | S | 99.45 | A | 77 |
| | 13149 | Kentucky bluegrass ..... | S | S | 85.10 | S | 80 |
| | 13155 | Oats, Merrimack ..... | ..... | S | 95.00 | S | 95 |
| | 13157 | Red Clover, Medium, 2802 .... | S | S | 99.38 | A | 80 |
| | 13159 | Redtop, 41280 ..... | S | 93.76 | 96.60 | S | 92 |
| | 13154 | Timothy, Minnesota, 66642 .... | S | S | 99.65 | S | 91 |
| | 13158 | White Clover, 28-335 ..... | S | 97.52 | 98.65 | S | 77 |
| Merrimack Farmers' Exchange, Derry | 13101 | Alsike Clover, 21132 ..... | S | S | 99.45 | S | 77 |
| | 13102 | Hungarian Millet, 8399 ..... | S | S | 99.04 | S | 75 |
| Merrimack Farmers' Exc., ... Epping | 13110 | Alfalfa, Grimm, 28710 ..... | S | S | 99.46 | S | 61 |
| | 13109 | Japanese Millet, J5, C45 ..... | S | S | 98.00 | S | 85 |
| | 13112 | Ladino Clover, 26568 ..... | ..... | 98.07 | .... | 65 | .... |
| | 13111 | Red Clover, Medium Pine Tree | S | S | 99.46 | S | 80 |
| | 13114 | Redtop, 41280, Ill. ..... | S | S | 96.30 | S | 92 |
| | 13113 | Timothy, 66642 ..... | S | S | 99.65 | S | 91 |
| Merrimack Farmers' Exchange, Exeter | 13046 | Lawn Seed #1: | S | | | | |
| | | Timothy ..... | ..... | 51.21 | 40.00 | 79.5 | .... |
| | | Redtop ..... | ..... | 22.48 | 30.00 | 88.5 | .... |
| | | Kentucky bluegrass ..... | ..... | 13.82 | 20.00 | 80.0 | .... |
| | | White Clover ..... | ..... | 9.27 | 10.00 | 64.5 | .... |
| | 13045 | Redtop, 41280, Ill. ..... | S | S | 96.30 | S | 92 |
| Merrimack Farmers' Exchange, Rochester | 12976 | Ladino Clover, 26568 ..... | S | S | 97.65 | S | 65 |
| | 12977 | Redtop, 41280 ..... | S | S | 96.30 | S | 92 |
| J. J. Moreau, ..... Manchester | 13163 | Red Clover, Medium, 50532 .... | S | S | 99.50 | S | 85 |
| | 13162 | White Clover, Fancy, 56330 .... | S | S | 97.70 | S | 84 |
| Northern Farmers' Feed Service Lisbon | 13119 | Corn, Sanford Flint, 83-208 ... | 4/1944 | S | 99.50 | S | 90 |
| | 13121 | Hungarian Millet, 4854 ..... | S | S | 99.38 | S | 82 |
| | 13122 | Red Clover, Medium, 50535 .... | S | S | 99.45 | S | 86 |
| | 13120 | Timothy, 12516 ..... | S | S | 99.61 | S | 90 |
| L. L. Peavey Co., Inc., ..... Portsmouth | 13017 | White Clover, G 82-45 ..... | S | S | 98.58 | S | 91 |
| Rochester Grain Company, ... Rochester | 12988 | Alsike Clover, #5993 ..... | S | S | 98.04 | A | 80 |
| | 12987 | Red Clover, Medium, #5978 .. | S | S | 99.00 | S | 89 |

(Note) S—Satisfactory; figures or blanks in these columns indicate violation.

A—Above or better than guarantee.

* As stated on tag accompanying seed.

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Purity Found | Purity Guaranteed | Germination Found | Germination Guaranteed |
|---|---|---|---|---|---|---|---|
| H. C. Sanborn, ..... Laconia | 13065 | Red Clover ..... | ..... | 98.53 | .... | 67 | .... |
| F. B. Spaulding Company, ... Lancaster | 12938 | Lawn Seed, Old English, #683: | 1/1944 | | | | |
| | | Kentucky bluegrass ..... | ..... | 32.97 | .... | 30.5 | 75 |
| | | Agrostis spp. ..... | ..... | 29.12 | .... | S | 87.5 |
| | | Ryegrass ..... | ..... | 25.68 | .... | 86 | 94 |
| | | White Clover ..... | ..... | 1.97 | .... | 74 | 55 |
| | | Timothy ..... | ..... | 2.79 | .... | 63 | .... |
| Spaulding & Sons' Checkerboard Feed Store, Nashua | 13088 | Barley, Wisconsin 38, 8018 .... | S | S | 98.46 | A | 85 |
| Sunshine Feed Store, ..... West Lebanon | 13126 | Hungarian Millet, 90-24 ..... | S | 96.82 | 98.40 | S | 90 |
| | 13125 | Red Clover, Medium, 15x560 ... | S | S | 99.15 | A | 78 |
| | 13123 | Redtop, 30-143 ..... | S | S | 96.80 | S | 92 |
| | 13124 | Timothy, 3742 ..... | S | S | 99.60 | S | 90 |
| Swain's Store, ..... Winnisquam | 13160 | Timothy, 66-531 ..... | S | S | 99.60 | S | 92 |
| John B. Varick Company, .... Manchester | 13153 | Ladino Clover, 026771, #1 .... | S | 97.52 | 99.50 | S | 60 |
| | 13148 | Lawn Seed: | S | | | | |
| | | Redtop ..... | ..... | 50.23 | .... | 89 | .... |
| | | Kentucky bluegrass ..... | ..... | 19.52 | .... | 67 | .... |
| | | White Clover ..... | ..... | 3.64 | .... | 42 | .... |
| | | Chewings Fescue ..... | ..... | 6.35 | .... | 91 | .... |
| | | Ryegrass ..... | ..... | 12.51 | .... | 87 | .... |
| Young's Hardware, ..... Exeter | 13041 | White Clover, 83-15, N. Z. .... | S | S | 99.37 | S | 92 |

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* As stated on tag accompanying seed.

# N. H. EXPERIMENT STATION

## VEGETABLE SEED INSPECTION, 1945

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Germination | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| | | | (Note) | (Note) | | |
| W. E. Aubuchon Company, .. | 13080 | Beans, Golden Wax ..... | 2/1944 | S | 80 | 80 |
| Nashua | 13081 | Beet, Detroit Dark Red ..... | 2/1944 | S | 65 | 65 |
| | 13082 | Peas, Telephone ..... | 2/1944 | S | 80 | 80 |
| Ayers & Jenkins Company, ... | 12991 | Onion, Yellow Globe Danvers .. | ..... | A | 75 | 70 |
| Rochester | 12989 | Parsnip, Hollow Crown ..... | ..... | S | 70 | 60 |
| | 12990 | Rutabaga, Improved Purple Top | ..... | A | 75 | 75 |
| Beacon Grain Store, ..... | 12963 | Beans, Tendergreen ..... | S | 81.5 | 95 | 80 |
| Dover | 12964 | Beans, Bountiful Dwarf ..... | ..... | S | .. | 80 |
| | 12957 | Beet, Early Blood Turnip ..... | S | S | 75 | 65 |
| | 12959 | Beet, Detroit Dark Red ..... | S | 65 | 87 | 65 |
| | 12958 | Cabbage, Premium Large Flat Dutch ..... | S | A | 75 | 75 |
| | 12966 | Corn, Bantam Evergreen ..... | S | S | 86 | 75 |
| | 12955 | Onion, Yellow Globe Danvers .. | S | A | 75 | 70 |
| | 12960 | Onion, Early Yellow Globe .... | S | S | 95 | 70 |
| | 12961 | Peas, Tall Telephone ..... | S | S | 95 | 80 |
| | 12956 | Rutabaga, Improved Purple Top | ..... | A | 75 | 75 |
| | 12962 | Squash, Prolific Straightneck .. | S | S | 92 | 75 |
| L. C. Berry, ..... | 13131 | Beet,Crosby's Egyptian ..... | 1944 | 45 | 70 | 65 |
| Lebanon | 13134 | Rutabaga, American Purple Top, Yellow ..... | 1944 | S | 85 | 75 |
| | 13132 | Swiss Chard, Large White Rib | 1944 | S | 75 | 65 |
| Central Feed & Grain Co., ... | 13014 | Corn, Golden Sunshine ..... | S | S | 90 | 75 |
| Somersworth | 13012 | Peas, Gradus, 87029.A ..... | 9/1943 | S | 85 | 80 |
| Checkerboard Feed Store, .... | 12968 | Beet, Detroit Dark Red ..... | S | A | 72 | 65 |
| Dover | 12969 | Corn, Country Gentleman ..... | S | S | 90 | 75 |
| | 12970 | Peas, Alderman ..... | ..... | S | .. | 80 |

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* As stated on tag accompanying seed.

| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Germination | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| Checkerboard Feed Store, .... Exeter | 13044 | Parsnip, Hollow Crown ..... | S | S | 70 | 60 |
| Chesley Store, ..... Lancaster | 12939 | Cabbage, Early Flat Dutch .... | S | S | 80 | 75 |
| | 12940 | Carrot, Danvers Half Long ... | S | A | 55 | 55 |
| Dover Hardware, ..... Dover | 12973 | Beans, French Horticultural, 23437 ..... | S | 72 | 90 | 80 |
| | 12971 | Beets, Detroit Dark Red ..... | S | S | 75 | 65 |
| | 12972 | Corn, Golden Bantam, 25419 ... | S | S | 90 | 75 |
| | 12967 | Peas, Sutton's Excelsior ..... | S | S | 89 | 80 |
| Eastern States Farmers' Exc., Concord | 13174 | Cabbage, Mammoth Rock Red.. | S | 88 | 95 | 75 |
| | 13175 | Lettuce, White Boston ..... | S | S | 85 | 80 |
| | 13177 | Parsnip, Model ..... | S | A | 75 | 60 |
| | 13176 | Spinach, Dark Green Bloomsdale. | S | S | 85 | 60 |
| M. H. Fishman, ..... Rochester | 12975 | Beet, Early Blood Turnip ..... | S | S | .. | 65 |
| | 12974 | Rutabaga, American Purple Top | S | S | .. | 75 |
| E. C. Foss Company, ..... Rochester | 13002 | Beans, Brittle Wax ..... | ..... | S | .. | 80 |
| | 13003 | Beans, Goddard ..... | ..... | S | .. | 80 |
| | 13004 | Beans, Improved Golden Wax | ..... | S | .. | 80 |
| | 13001 | Cabbage, Danish Ball Head ... | S | S | 80 | 75 |
| | 12999 | Onion, Southport Yellow Globe | S | A | 79 | 70 |
| | 12998 | Parsnip, Hollow Crown (Large Sugar) ..... | S | A | 65 | 60 |
| | 13000 | Rutabaga, American Purple Top | S | A | 80 | 75 |
| General Mills, ..... Dover | 12953 | Beans, Kentucky Wonder Pole | ..... | S | .. | 80 |
| | 12954 | Beans, Top Notch Golden Wax | S | 71 | 85 | 80 |
| | 12950 | Cabbage, Golden Acre ..... | ..... | S | .. | 75 |
| | 12952 | Sweet Corn, Golden Bantam (8-row) ..... | S | 53 | 85 | 75 |
| | 12949 | Parsnip, Hollow Crown ..... | ..... | S | .. | 60 |
| | 12951 | Peas, Laxton's Progress ..... | ..... | S | .. | 80 |
| General Mills, ..... Exeter | 13047 | Corn, Golden Bantam (8-row) | S | 29 | 85 | 75 |
| | 13048 | Peas, Laxton Progress ..... | ..... | S | .. | 80 |

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| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Germination | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| General Mills, ..... Laconia | 13059 | Beans, Yellow Eye ..... | ..... | S | .. | 80 |
| General Mills, ..... Portsmouth | 13024 | Peas, Thomas Laxton ..... | S | S | 96 | 80 |
| Glazier & Fox, ..... | 13020 | Beans, Black Valentine Bush .. | ..... | S | .. | 80 |
| Portsmouth ..... | 13021 | Onion, Yellow Globe Danvers | ..... | S | .. | 70 |
| C. J. Goss, ..... | 13070 | Beans, Pencil Pod Black Wax | ..... | S | .. | 80 |
| Lakeport | 13071 | Peas, Thomas Laxton ..... | ..... | S | .. | 80 |
| Goudies Hardware, ..... Lisbon | 12937 | Onion, Yellow Globe Danvers | ..... | A | 70 | 70 |
| J. H. Griffin, ..... | 13031 | Cabbage, Danish Rd. Ballhead | 12/1943 | 77 | 85 | 75 |
| Newmarket | 13033 | Corn, Golden Cross Bantam ... | S | 77 | 91 | 75 |
| | 13034 | Corn, Golden Sunshine ..... | ..... | S | 95 | 75 |
| Hammer Hardware Company, | 13083 | Beans, Vermont Shell ..... | S | S | .. | 80 |
| Nashua | 13084 | Cabbage, Copenhagen Market .. | ..... | 78 | 90 | 75 |
| | 13086B | Carrot, Danvers Half Long ... | ..... | S | 74 | 55 |
| | 13085 | Corn, Golden Bantam ..... | S | 90 | 96 | 75 |
| | 13086A | Peas, Telephone ..... | ..... | S | .. | 80 |
| Hick's Hardware, ..... | 12943 | Beans, Dwarf Horticultural ... | ..... | S | .. | 80 |
| Colebrook | 12944 | Beans, Black Wax ..... | ..... | S | .. | 80 |
| C. M. Hildreth & Son, ..... | 13137 | Beans, Dwarf Horticultural ... | ..... | S | .. | 80 |
| Lebanon | 13138 | Beans, Golden Wax ..... | ..... | 76 | .. | 80 |
| | 13141 | Beans, Pole Horticultural ..... | ..... | S | .. | 80 |
| | 13142 | Beet, Early Blood Turnip ..... | ..... | S | .. | 65 |
| | 13140 | Corn, Golden Sunshine ..... | ..... | S | .. | 75 |
| | 13136 | Peas, Hundredfold ..... | ..... | S | .. | 80 |
| | 13139 | Peas, Dwarf Telephone ..... | ..... | S | .. | 80 |
| | 13135 | Pumpkin, Field ..... | ..... | 58 | .. | 75 |
| | 13143 | Squash, Buttermut ..... | ..... | S | .. | 75 |
| | 13144 | Squash, Crookneck ..... | ..... | S | .. | 75 |
| Holbrook Grocery Company, .. | 13117 | Peas, Gradus #1235 ..... | 10/1943 | S | 90 | 80 |
| Woodsville | 13118 | Peas, American Wonder, #22863 | S | S | 90 | 80 |

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| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Germination | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| Jefferson Feed & Supply Co., Rochester | 13006 | Beans, Bountiful Green Pod .. | ..... | 58 | .. | 80 |
| J. Jones & Son, ..... Alton | 13053 | Beans, King Horticultural .... | ..... | S | .. | 80 |
| Kimball Hardware Company, .. Exeter | 13037 | Cabbage, Drumhead Savoy .... | ..... | 30 | .. | 75 |
| | 13039 | Corn, Golden Cross Bantam ... | ..... | S | .. | 75 |
| | 13036 | Onion, Yellow Globe Danvers | ..... | S | .. | 70 |
| | 13035 | Parsnip, Champion Hollow Crown ..... | ..... | S | .. | 60 |
| | 13038 | Peas, Sutton's Excelsior ..... | ..... | S | .. | 80 |
| Laconia Hardware, ..... Laconia | 13058 | Beans, French Horticultural ... | 2/19 .4 | A | 71 | 80 |
| | 13057 | Peas, World's Record ..... | ..... | S | .. | 80 |
| Littleton Hardware Co., Inc., .. Littleton | 12936 | Carrot, Nantes Coreless ..... | ..... | 56 | 75 | 55 |
| | 12935 | Parsnip, Improved Hollow Crown ..... | ..... | 63 | 75 | 60 |
| Merrimack Farmers' Exchange, Derry | 13103 | Beans, Burpee's Stringless Green Pod ..... | ..... | S | .. | 80 |
| Merrimack Farmers' Exchange, Epping | 13115 | Corn, Golden Bantam, 8-rowed | S | S | 87 | 75 |
| | 13108 | Peas, Thomas Laxton ..... | 10/1943 | S | 85 | 80 |
| Merrows Market, ..... Lancaster | 12941 | Rutabaga, Imp. Purple Top ... | ..... | A | 75 | 75 |
| Nashua Hardware & Plumbing Co., Nashua ..... | 13098 | Beans, Unrivalled Golden Wax | ..... | S | .. | 80 |
| | 13100 | Beans, Pencil Pod Black Wax | S | 80 | 90 | 80 |
| | 13096 | Cabbage, Mammoth Red Rock | ..... | S | 75 | 75 |
| | 13099 | Cabbage, Jersey Wakefield .... | ..... | S | .. | 75 |
| F. W. Neal, ..... Dover | 12947 | Corn, Bantam Evergreen ..... | ..... | S | .. | 75 |
| | 12946 | Onion, Yellow Globe Danvers.. | ..... | S | .. | 70 |
| | 12945 | Parsnip, Hollow Crown ..... | ..... | S | .. | 60 |
| | 12948 | Peas, Dwarf Telephone ..... | ..... | S | .. | 80 |
| Neal Hardware, ..... Derry | 13094 | Asparagus, Mary Washington.. | ..... | S | 70 | 70 |
| | 13095 | Beans, French Horticultural ... | ..... | 68 | 60 | 80 |
| | 13093 | Parsnip, Hollow Crown ..... | ..... | 49 | 60 | 60 |

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| Name and Address of Dealer | Sample No. | Kind of Seed | Date Tested* | Germination | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| Osgood's, ..... | 13077 | Beans, Red Kidney ..... | ..... | S | .. | 80 |
| Nashua | 13079 | Corn, Bantam Evergreen . . .. | ..... | S | .. | 75 |
| | 13078 | Parsnip, Hollow Crown ..... | ..... | A | 77 | 60 |
| | 13075 | Rutabaga, American Purple Top Yellow ..... | ..... | A | 75 | 75 |
| | 13076 | Turnip, White Egg ..... | 1/1944 | S | 90 | 80 |
| C. E. Palmer, ..... | 13064 | Beans, Sulphur ..... | ..... | S | .. | 80 |
| Farmington | 13063 | Corn, Early Golden Bantam .. | ..... | S | .. | 75 |
| L. L. Peavey Co., Inc., ..... | 13027 | Beans, French Horticultural ... | ..... | S | .. | 80 |
| Portsmouth | 13023 | Cabbage, EarlyJersey Wakefield | ..... | S | .. | 75 |
| | 13018 | Parsnip, Hollow Crown ..... | ..... | 37 | .. | 60 |
| J. P. Pitman Company, ..... | 13061 | Beets, Crosby's Egyptian ..... | S | 57 | .. | 65 |
| Laconia | 13062 | Peas, Laxtonian ..... | S | S | 85 | 80 |
| Portsmouth Hdw. & Plumbing | 13028 | Beans, Pencil Pod Black Wax | S | S | .. | 80 |
| Supply Co., Portsmouth | 13019 | Onion, Yellow Globe Danvers | S | S | .. | 70 |
| Red & White Store, ..... | 12942 | Beans, Sure Crop Golden Wax | S | S | 80 | 80 |
| Lancaster | | | | | | |
| Rollins Grain Company, ..... | 13068 | Beets, Page's Detroit Dark Red | ..... | S | 75 | 65 |
| Farmington | 13069 | Peas, Dark Podded Telephone | ..... | S | .. | 80 |
| C. P. Roy, ..... | 13011 | Beans, Sure Crop ..... | ..... | S | .. | 80 |
| Somersworth | | | | | | |
| | 13010 | Carrots, Long Orange ..... | ..... | S | 68 | 55 |
| | 13013 | Corn, Golden Bantam ..... | ..... | S | .. | 75 |
| | 13009 | Peas, Telephone Dwarf ..... | ..... | S | .. | 80 |
| H. C. Sanborn, ..... | 13066 | Beet, Detroit Dark Red ..... | ..... | 47 | .. | 65 |
| Laconia | | | | | | |
| Scruggs Hardware, ..... | 13133 | Cucumber, Improved Early | | | | |
| Woodsville | | White Spine ..... | S | A | 80 | 80 |
| Sears Roebuck & Co., ..... | 13172 | Beet, Detroit Dark Red ..... | S | A | 65 | 65 |
| Manchester | 13173 | Parsnip, Hollow Crown ..... | S | S | 65 | 60 |
| J. H. Seavey, ..... | 12993 | Beet, Early Blood ..... | S | S | 80 | 65 |
| Dover | | | | | | |

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| Name and Address of Dealer | Sample No. | Kind of Seed | Germination | | | |
|---|---|---|---|---|---|---|
| | | | | Found | Guaranteed | N. H. Standard |
| Somersworth Hardware Co., .. Somersworth | 13015 | Beet, Detroit Dark Red ..... | S | S | 70 | 65 |
| | 13016 | Peas, Nott's Excelsior ..... | S | 83 | 90 | 80 |
| Soucy Paint & Hardware Co., Nashua | 13097 | Beet, Crosby Egyptian ..... | S | S | 75 | 65 |
| Spaulding & Sons' Checkerboard | 13091 | Beans, McCaslan Pole ..... | ..... | S | .. | 80 |
| Feed Store, Nashua | 13089 | Beet, Detroit Dark Red ..... | S | S | 72 | 65 |
| | 13092 | Corn, Golden Sunshine ..... | S | S | 90 | 75 |
| | 13087 | Onion, Yellow Globe ..... | ..... | S | .. | 70 |
| | 13090 | Parsnip, Hollow Crown ..... | S | 38 | 82 | 60 |
| A. J. Turcotte, .. ..... Newmarket | 13043 | Beans, Burpee's Stringless Green Pod ..... | S | 80 | 90 | 80 |
| John B. Varick Company, .... Manchester | 13152 | Cabbage, Early Jersey Wakefield | S | S | 88 | 75 |
| | 13150 | Carrot, Nantes ..... | S .. | S | 76 | 55 |
| | 13151 | New Zealand Spinach ..... | S | S | 50 | 40 |
| Varrill Grain Store, ..... Portsmouth | 13029 | Cabbage, Early Jersey Wakefield | ..... | S | 75 | 75 |
| | 13022 | Corn, Early Golden Bantam .. | S | S | 90 | 75 |
| Western Auto Associates Store, A. L. Mabbett, Owner, Rochester | 12978 | Beans, Bountiful Bush ..... | ..... | S | .. | 80 |
| | 12984 | Beans, Horticultural Pole, 19027 | ..... | S | .. | 80 |
| | 12980 | Beet, Extra Early Eclipse .... | ..... | S | .. | 65 |
| | 12981 | Cabbage, Late Flat Dutch ..... | ..... | S | .. | 75 |
| | 12983 | Corn, Early Golden Bantam ... | ..... | S | .. | 75 |
| | 12979 | Parsnip, Hollow Crown ..... | ..... | 47 | .. | 60 |
| | 12985 | Peas, World's Record ..... | S | S | .. | 80 |
| | 12986 | Peas, Nott's Excelsior ..... | ..... | S | .. | 80 |
| | 12982 | Rutabaga, Sweet German ..... | ..... | S | .. | 75 |
| H. D. Woods Company, ..... Derry | 13104 | Beans, Pencil Pod ..... | ..... | S | .. | 80 |
| | 13106 | Beans, Giant Stringless Green Pod ..... | ..... | S | .. | 80 |
| | 13105 | Corn, Golden Bantam ..... | ..... | S | .. | 75 |
| | 13107 | Peas, Thomas Laxton ..... | ..... | S | .. | 80 |
| Woodward Grocery, ..... Winnisquam | 13171 | Beet, Early Blood Turnip ..... | S | S | 70 | 65 |
| Young's Hardware, ..... Exeter | 13042 | Beans, Pencil Pod Black Wax | ..... | S | .. | 80 |
| | 13040 | Peas, World's Record ..... | S | S | .. | 80 |

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